



ACS Division of
Professional Relations

Web site: www.acsprof.org

BULLETIN

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Chair's Comment

Keith Vitense



It's hard to believe (based on several measures) that it is the first day of May. The weather certainly doesn't seem like May, it really doesn't seem like the local school baseball seasons can already be finished, and we can't possibly be finishing the semester at Cameron! But, because the calendar doesn't lie, I am convinced that we are over a third of the way through what is still the 'new' year.

The DPR Executive Committee had a productive meeting in New Orleans in April. Details of some of the activities will be highlighted elsewhere in this newsletter, but I wanted to discuss a couple of things that we decided. First, we determined that the 2014 Henry Hill Award would be during the Fall 2014 Meeting in San Francisco. This means that the next three presentations will be in the fall, culminating with the 100th birthday of Henry Hill. Because the northeast was home for Dr. Hill, it seemed appropriate that the 2015 Henry Hill Award would be presented in Boston. It was also decided that the presentation of the Lou Sacco Award would be at the same ceremony as the Henry Hill Award presentation.

The New Orleans meeting was bittersweet, as it was the first national meeting since the passing of John Borchardt. John was a fixture for me at national meetings, and his presence at the meeting was missed. That is one of the many reasons that I am so pleased that

John was named the 2013 Lou Sacco Award winner – an award that was established by former ACS President Ann Nalley to honor service to the Division.

The candidates for 2014 President-Elect of the Society were chosen during the Council Meeting in April. Congratulations to G. Bryan Balazs and Charles E. Kolb, Jr. They, along with any candidates selected via petitions, will stand for election in the Fall.

The Fall meeting for the Division will be held Tuesday, September 10th, at 3 pm. Because this is a membership meeting, we need at least 20 members to meet quorum and conduct the business of the Division. I would encourage you if at all possible to attend this open meeting, and let your voice be heard! If you are looking for opportunities to serve, please contact me and I will be happy to discuss the various roles that you might fill to help further the mission of our Division.



Chair Elect's Message

Joe Stoner

I urge all of you to join with me in promoting the value of our division with other members of the Society. We represent the professional interests of every chemist. We are a respectable sized division, but every member of the Society should join with us in the effort.

Please take the time to talk about our division with other members of the Society that you know. Develop for yourself a short practiced message that you can share

with your colleagues. This is the message that I have prepared for myself. I suggest that you use something like this, modified to emphasize your particular passions with respect to our Division:

The Division of Professional Relations, unlike other divisions (most of whom are organized around a discipline of chemistry), focuses on the interest of the individual chemist. We organize programming in such areas as job opportunities, diversity, ethics, job training, and responsible conduct of research. We give programming support to such committees as the Committee on Economic & Professional Affairs, Women's Chemists, Chemists with Disabilities, Minority Affairs, Senior Chemists, and Ethics. We work with others in the Society to develop programming and promote issues in these areas.

With your support, indeed with the support of all of us, we our division can have the impact that it should within the Society.

Immediate Past Chair

George Heinze

As the immediate past chair of PROF, I want to thank the membership for the privilege of serving as the chair of PROF this past year. As we all know, PROF has a somewhat different orientation than most of the other divisions. As a result, we focus on objectives and functions that we believe benefit chemists and the chemical profession. WE have done a fair amount of programming at national meetings, but rather than covering technical subjects, we try to look at topics that can help with career development and advancement, as well as cosponsoring with various committees on a variety of similar topics, such as small business and consulting. Over the last several years PROF has had a very good record in this area.

By virtue of being the past chair, one of my responsibilities this year is to chair the nominations committee. I would like to ask that you (collectively) start to think about being part of the governance function of the division. If we want to see PROF grow and have more impact within the ACS, then we need to assure that our views and voice are heard. PROF has put in place a number of subdivisions focusing on specific constituencies and for these to function effectively we need to populate them with dedicated leadership. Therefore, if I call you and

ask that you consider becoming part of this leadership, please give careful consideration to the request and understand how your involvement can advance the mission of PROF. Along those line, I would like to mention the name of John Borchardt. As many of you know, John recently died. You could not have found a more dedicated member of PROF than John.

On a personal note, John was a cherished, long standing friend and colleague with whom i collaborated on many different projects. He will be sorely missed, but I also point out his dedication as an example to all of us as to how we can go forward. Please help make PROF continue to grow and prosper! Thanks for reading and all your support in 2012.

Lou Sacco Award Winner: John Borchardt

Lisa Balbes

John Borchardt has been selected as the 2013 Winner of the Lou Sacco award. John was totally devoted to the ACS and to the principles of Professionalism upon which the Division of Professional Relations (PROF) was founded. He wrote and gave hundreds of presentations on career issues for chemists. No one can recall him ever saying "no" when asked to present a poster or speak in a symposium. No matter how busy he was, he always had time for the ACS and PROF. The Lou Sacco Award is presented only rarely, to someone who had literally devoted their life to serving the Division, and John is a most deserving recipient who is greatly missed by his colleagues and friends.

The awarded will be presented at the ACS meeting in Indianapolis, on Tuesday, September 10th, from 5:00-6:30PM. Check the meeting program for room location.

Empowering Equal Access for Persons with Disabilities in the Chemical Profession

Cary Supalo

At the New Orleans meeting, PROF sponsored a symposium titled, "Empowering Equal Access for Persons with Disabilities in the Chemical Profession." This session was moderated by Cary Supalo, chair of the Chemists with Disabilities subcommittee of PROF. In this session there were multiple presentations that addressed how persons with various disabilities overcame access challenges in the chemistry profession.

The session started with a piece by Shannon Watt, from Georgia Tech University, titled “OXIDE: Empowering Equal Access for Academic Chemists with Disabilities,” where she discussed how persons with disabilities were accessing higher education in Science, Technology, Engineering, and Mathematics (STEM).

This informative presentation was followed up by Cary Supalo discussing how he as a totally blind instructor teaches chemistry at the post-secondary level at Illinois State University. He illustrated the importance of access technologies that enable him to overcome challenges to scientific content. His presentation, entitled “Methods Used to Teach a General Chemistry Principles I Laboratory Course as a Totally Blind Instructor” was followed by Amy Kerzmann from William Jewell College who presented along with Lori Wetmore on how they adapted their instruction to accommodate a student with a visual impairment. Their presentation titled “Reflections of Instructors’ Experiences with a Student with Blindness in a First-Year Chemistry Course” discussed the importance of raised line drawings along with other multi-sensory manipulatives to make the learning experience positive for their student. This presentation was followed by undergraduate Sylvia Modesitt from William Jewell College who herself is visually impaired. She shared with the audience some of her experiences in science classes at William Jewell.

Roger Tower then presented “Using Summer STEM Enrichment Programs to Inspire and Engage Students with Blindness or Low Vision (BLV) in Chemistry Curriculum.” He discussed his experiences with hands-on total enrichment programs at a summer camp for students with visual impairments. He documented how instruction can be conducted in a multi-sensory way for students with visual impairments. His presentation was followed by Annemarie Ross from the Rochester Institute of Technology (RIT) who presented a piece titled, “Empowerment of Deaf and Hard-of-Hearing Scientists through Education, Accommodations, and Inspiration.” Her presentation discussed how RIT was integrating students with hearing impairments into the STEM workforce. Her presentation was followed up by Greg Williams from the Institute for Accessible Science (IAS) at Purdue University. He gave a presentation titled, “Bridging the Gap between Books and Bench for Students with Disabilities.” His presentation discussed

how on-line digital content was helping students with disabilities go from the textbook to working at the bench top.

All of these presentations shared unique aspects of how different individuals were making STEM more accessible to persons with disabilities. This symposium presented a snapshot of what is currently possible, and serves as a resource for the chemical profession. The American Chemical Society will be making several of these presentations available online.

Another symposium will be held at the ACS meeting in Indianapolis, again hosted by PROF’s Chemists with Disabilities subcommittee and titled, “Current and Future Trends to Provide Equal Access to Chemistry and Science Curricula for Students with Special Needs.” This symposium will be on Tuesday, September 10, 2013. Room location is TBA. We would encourage everyone to put this symposium on their ACS planner. This content will complement the New Orleans symposium.

It is the expectation of the Chemists with Disabilities subcommittee to present similar symposia at future ACS national and regional meetings. If you or someone you know feel may have something to contribute, please encourage them to submit abstracts for future consideration. The research in disabilities education community that promotes interest in STEM is small. We view this series of symposia as a vehicle by which people with similar interests can meet and network with one another, recruit additional members and promote awareness.

“Ethics Programs in Corporations and Institutions” presented in New Orleans

Joe Stoner

The Ethics Subdivision sponsored a symposium at the New Orleans meeting, “Ethics Programs in Corporations and Institutions.” It was cosponsored by CEPA, the Ethics Committee, Chemistry & the Law Division, and Corporation Associates. The keynote address was presented by Dr. S. D. Yoak, Executive Director of the Association of Practical and Professional Ethics at the University of Indiana on “Creating a Culture of Values in the Workplace.” The presentations included speakers from University of California at San Diego, University of Tennessee, Oak Ridge National Labs, Procter &

Gamble and Tennessee Eastman. It also included survey talks about ethics in publications, community colleges, and the legal profession, as well as a talk about how ACS supports ethics. The audience was highly complementary of the quality of the symposium.

Proposing and Administering a Successful REU Program: A Minority Affairs subdivision session at the New Orleans Meeting

Zakiya S. Wilson

Funded by the National Science Foundation (NSF), the Research Experiences for Undergraduates (REU) program seek to provide research experiences for students that would otherwise not have access to these types of opportunities. These summer programs, found at varying colleges and universities across the country and around the world, involve research, mentoring and professional development opportunities for undergraduate students. A key focus of many of the programs is to increase participation of underrepresented students in these opportunities.

The Minority Affairs subdivision sponsored a technical session at the New Orleans National Meeting to explore aspects of proposing and administering a successful REU program. The session was co-organized by Gloria Thomas and Linette Watkins. Holly Gaede, the current chair of the Chemistry REU leadership group, presided over the afternoon session. Presenters covered all aspects of ensuring a successful REU experience for students, giving examples of successful programs, discussing mentor training and conducting program evaluation. Different models of REUs were provided as examples, demonstrating different approaches to increasing participation in scientific disciplines.

With co-sponsorship by the Division of Chemical Education (CHED), the Committee on Minority Affairs (CMA), and the Committee on Ethics (ETHC), this session was richly received by the REU PI community, such that it will likely become a regular symposium at the spring national meeting. The well-attended session included the following talks:

- Essential components of an REU proposal: Making a compelling case for funding
Sarah C Larsen
- Over two decades of experience in a chemistry REU program at The University of Alabama

John B Vincent

- Selecting and preparing REU mentors

Holly C. Gaede

- Entering mentoring: A mentor training seminar for REU mentors

Andrew E. Greenberg

- A chemist's start in engaging undergraduates about ethics

Gloria A Thomas

- Teaching science communication: REU communication workshops

Andrew E Greenberg, Carol Lynn Alpert, Karine Thate.

- REU site in chemistry and biochemistry at Boise State University for first year undergraduates

Don L. Warner, Eric C. Brown, Louis S. Nadelson.

- Integrating an REU site and participants into Duke chemistry

Andrew Franks, Katherine Franz, Stephen Craig.

- TIM consortium: A dispersed REU program at primarily undergraduate institutions

KC Russell, Jeffery Katz, Nancy Mills, Peter Iovine, Shannon Biro, Ronald Brisbois.

- REU site as a "research incubator"

Brian Goess, Karen Buchmueller, Timothy Hanks.

- NSF REU: A cooperative international undergraduate research program at the University of Cádiz

Joanne G. Romagni, Juan Carlos Galindo Garcia, Michael R Colvin.

Call for nominations for chair-elect in the PROF Minority Affairs subdivision

Zakiya Wilson

The Minority Affairs (MA) subdivision of PROF will be holding elections this year for chair-elect. This position is open to individuals who are full members of the ACS, the Division of Professional Relations and the Minority Affairs subdivision.

The Chair-Elect shall understudy and aid the Chair throughout the term (2014), and accede to the office of Chair in the next elective year (January 2015). In the absence of the Chair, the duties of the office shall devolve upon the Chair-Elect.

The chair-elect will be invited to participate in PROF executive committee meeting at national meetings, and participate in periodic conference calls throughout the year. The chair-elect will be a member of the MA

executive committee and will have the opportunity to influence future regional and national meeting programming and increase efforts within the ACS to diversify the chemical sciences.

Please contact Zakiya Wilson at zwilson@lsu.edu if interested.

Spring Council Report New Orleans, LA 2013 April 7-11

ACTIONS OF THE COUNCIL

Election Results

- By electronic ballot, the Council selected G. Bryan Balazs and Charles E. Kolb, Jr. as candidates for 2014 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

- By mail ballot, the Councilors from their respective districts selected George M. Bodner and Alan A. Hazari as District II candidates; and Rigoberto Hernandez and Larry K. Krannich as District IV candidates. Ballots will be mailed on or before October 10 to all ACS members in District II and District IV for election of a Director from each District.

Candidates for Directors-at-Large

- The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for a 2014-2016 term: Susan B. Butts, Thom H. Dunning, Jr., Dorothy J. Phillips, and Kathleen M. Schulz. The election of two Directors-at-Large from among those candidates and any selected via petition will be conducted in the fall. Ballots will be mailed to the Council on or before October 10.

Committee Election

- Prior to the New Orleans meeting, the Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the Committee on Committees beginning 2013: Christopher J. Bannochie, Arindam Bose, David Lohse and Jason Ritchie. Christopher J. Bannochie and Jason Ritchie were selected to fill three-year and one-year terms, respectively.

Committee Review

- As part of a regular performance review, the Council VOTED unanimously to continue the Committees on Chemical Abstracts Service, Environmental Improvement, and Younger Chemists. Continuation of these three committees requires Board concurrence.

Re-alignment of Electoral Districts

- At the 2012 fall meeting, Councilors called for a broader and long-lasting solution to requirements that Board electoral districts have parity in member populations. At this meeting, the Committee on Nominations and Elections reported on their discussions of a revised redistricting proposal which brings all six election districts within 400-1,000 members of the mid-point of the permissible range. This proposed action is designed to eliminate the need for frequent small changes for some time to come. The proposal will be up for vote at the fall Council meeting in Indianapolis.

Society Finances

- Despite the sluggish economy, ACS generated favorable operating results in 2012. Total revenue was \$490.7 million, which was \$6.1 million or 1.3% greater than the approved budget, and 3.9% higher than 2011. The Net from Operations was \$20.2 million, or \$4.3 million favorable to budget. This was largely attributable to better-than-expected performance by ACS Publications and CAS, and represents the Society's 9th consecutive year of positive operating results. While operating performance was favorable, Unrestricted Net Assets declined \$1.4 million to \$100.6 million. Finally, ACS ended the year in compliance with four of the five Board-established financial guidelines.

2014 Member Dues

- The Council VOTED to set the member dues for 2014 at the fully escalated rate of \$154. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

Petition to Amend the Constitution and Bylaws

(For Action)

- After discussion, a vote to approve the Petition to Amend National Election Procedures FAILED (85% against, 15% in favor). In collaboration with the Committee on Nominations and Elections, the Council Policy Committee authorized a joint task force on election timelines and procedures. This task force will

examine the entire election system.

Member Statistics

- Society membership at the end of 2012 was 163,322 - 893 lower than the total for year-end 2011 despite recruiting 24,943 new members. The net loss occurred primarily in the Regular, full member category. There was continued growth in both the Student Member undergraduate and international categories, which helped mitigate the overall decline in membership. The Membership Affairs Committee approved five pilot market data tests to increase membership.

Attendance Report

- As of this morning (April 11, 2013), the ACS spring national meeting had attracted 15,596 registrants, including 8,105 regular attendees and 5,793 students. The meeting had 11,232 papers presented.

Academic Professional Guidelines

- The Council VOTED to approve the Academic Professional Guidelines as submitted by the Committee on Economic and Professional Affairs. These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry.

Local Section Allotment Formula

- The Council VOTED to approve a new formula for the distribution of allocations to individual Local Sections beginning in 2014. The new allocation will be divided as follows: base allotment (49%); per member allotment (43%), and LSAC program funds (8%).

Special Discussion Item

- A special discussion item was put on the Council agenda for this meeting. ACS President Marinda Li Wu presented and moderated a discussion on “What else should ACS do to help members to thrive in the global chemistry enterprise?” ACS has established a strategic goal to “Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy.” In support of this goal, President Wu commissioned a task force entitled, “Vision 2025: Helping ACS Members Thrive in the

Global Chemistry Enterprise,” to identify globalization opportunities and engage members in advocacy for improving the business and job climate. Following the presentation, 29 Councilors engaged in a robust discussion on what the Society currently offers or could offer to help members thrive in the global chemistry community.

ACTIONS OF THE BOARD OF DIRECTORS

The Board’s Committees and Working Groups

- The Committee on Grants and Awards presented the Board with screened lists of nominees for the 2014 Priestley Medal and the Award for Volunteer Service to the ACS. The Board VOTED to approve the screened lists, and will now vote on, and announce, the winners of these two awards at its June meeting. The Board also VOTED to approve a Society nominee for the National Medal of Science.

- On the recommendation of the Committee on Executive Compensation, the Board VOTED to approve several actions relative to compensation for the Society’s executive staff. The compensation of the Society’s executive staff receives regular review from the Board of Directors.

- On the recommendation of the Committee on Professional & Member Relations, the Board VOTED to approve an alliance with the Latin American Federation of Chemical Associations (FLAQ) and to renew an alliance with the Chinese Chemical Society. The signing ceremony for alliances with the Chinese Chemical Society and the South African Chemical Institute (which was previously approved) took place prior to the open meeting of the Board of Directors. The signing ceremony for FLAQ will take place at the fall national meeting.

Other Society Business

- The Board ratified several of its interim actions, including an appointment to the Committee on Executive Compensation.

The Board’s Open Session

- The Board held a lively, well-attended open

session which featured a special forum focused on two questions: 1) “What one thing would you like from ACS that you don’t get now?” 2) “What one thing do you get from another organization that you wish you got from ACS?” Members attending this standing-room only session received a brief overview of current Society offerings followed by an exchange of several ideas on future services and products.

ADDITIONAL INFORMATION

The following is a list of URLs and email addresses presented on slides at the Council meeting. You will find the information noted on these sites helpful.

m.wu@acs.org – contact information for ACS President Marinda Wu

www.acs.org/leadscopeqa - ACS vs. Leadscope questions and answers

www.acs.org/newmember - information on “Why should I join the ACS?”

nonelect@acs.org – email address for the Committee on Nominations and Elections

www.acs.org – then click on “About Us” and scroll down to ACS Financial Information for information on the Society’s finances

safety@acs.org – email address for comments and suggestions about chemical safety to the Committee on Chemical Safety

www.acs.org/bulletin5 - ACS governing documents including information on petitions and certified bylaws for all units

bylaws@acs.org – email to send petitions (deadline May 22)

www.acs.org/ei - information on the ACS Entrepreneurial Initiative

www.acs.org/sequester - location for completing the survey on sequestration

www.acs.org/supportfedscience - information on ACS materials related to federal S&T funding

www.acs.org/ethics - information on the ACS Committee on Ethics

<http://nationalethicscenter.org> – “Ethics CORE” web address and the chemistry landing page which links to chemistry related ethics content (click ‘resources by discipline’ then click ‘chemistry’)

Local Section Resources

www.acs.org/getinvolved - grant information, important deadlines and officer resources

www.acs.org/forms - submit annual reports, record meetings, activities and events year round
speakers@acs.org – nominate speakers for Online Speaker Directory
outreach@acs.org – information on “Celebrating Chemistry” for 4th – 6th graders

Preview of Fall Meeting Program

SUNDAY AFTERNOON

Healthcare Reform Update: Implementation of the Patient Protection and Affordable Care Act (Obama care)

Cosponsored by SCHB

The Impact of Diversity and Inclusion

The Case for Diversity and Inclusion in Academic and Nonprofit Environments

Sponsored by CMA, Cosponsored by PROF

MONDAY MORNING

The Impact of Diversity and Inclusion

The Case for Diversity and Inclusion in Academic and Nonprofit Environments

Sponsored by CMA, Cosponsored by PROF

MONDAY AFTERNOON

Getting Your First Industrial Job

Cosponsored by SCHB and YCC

A. C. Myers, Organizer, Presiding

TUESDAY MORNING

Current and Future Trends to Provide Equal Access to Chemistry and Science Curricula for Students with Special Needs

Cosponsored by CWD

The Impact of Diversity and Inclusion

The Case for Diversity and Inclusion in Industry Organizations

Sponsored by CMA, Cosponsored by PROF

TUESDAY AFTERNOON

STEM Women in Innovation and Investing

Sponsored by SCHB, Cosponsored by BMGT, PROF, and WCC

The Division of Professional Relations speaks for the professional needs and interests of all chemists, chemical engineers, and chemical professionals. Let us meet your needs and interests. Join DPR today by completing the information below.

Step One: Choose Your Membership Type

ONE YEAR DPR MEMBER CATEGORIES

- ACS – full member (\$10)
- Non-ACS – affiliate member (\$12)
- Student member (\$5)

Step Two: Select Subdivision Membership(s)

- Subdivision on Chemists with Disabilities (\$2)
- Subdivision on Ethics (\$2)
- Subdivision of Gay & Transgender Chemists and Allies (\$2)
- Subdivision on Minority Affairs (\$2)
- Subdivision of Women Chemists (\$2)
- Subdivision of Younger Chemists (\$2)

Step Three: Provide Information & Mail

Enclosed is a check in the amount of \$ _____
made payable to: ACS Division of Professional Relations.

Name _____

ACS Member No. _____

Address _____

Phone _____

E-mail Address _____

*Mail To: Dr. Peter Smith
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